

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-34. (cancelled)

35. (currently amended) A device for automated detection of attempts to mate a first, female animal by a second, detecting animal, said device comprising:

an electronic tag configured to be placed in or fixed at an organ of the female animal, the electronic tag being a passive tag without any source of energy and generating a signal only upon detector-activation, the electronic tag not generating signals until being detector-activated by the detecting animal making a mounting attempt on the female animal by the detecting animal being on top of the female animal;

a detector configured for emitting a ~~magnetic~~ electromagnetic field activating said electronic tag when said electronic tag is located in or fixed at the organ of the female animal and said detector is attached on the detecting animal,

the electronic tag being detector-activated by the detecting animal being on top of the female animal so that the detector establishes a communication with the electronic tag worn by the female animal, wherein upon being activated, said

electronic tag emits an identification of said female animal in an identifying signal modulating the ~~magnetic~~ electromagnetic field and picked up by the detector, said detector comprising an identifier configured for identifying said passive electronic tag based on the identification within the identifying signal emitted by the electronic tag; and

a fastener configured for attaching said detector on the detecting animal in a position to ascertain that the mounting attempt occurred.

36. (previously presented) The device of as per claim 35, wherein said electronic tag comprises a support configured to be placed in a digestive tract of the female animal.

37. (previously presented) The device of as per claim 35, wherein said detector comprises a memory configured to store the identification based on the detecting animal mounting the female animal.

38. (previously presented) The device of as per claim 35, wherein,

    said electronic tag is an RFID tag and the identification is a unique identifier which identifies the first, female animal, and

    said detector is an RFID reader.

39. (currently amended) The device of as per claim 35, wherein said detector is configured for writing data, the data read from said electronic tag during the mounting attempt, on mounting attempts onto said detector.

40. (currently amended) The device of as per claim 35, wherein said fastener comprises a harness holding in place said detector, said harness having detector comprising an antenna to receive signals emitted by said electronic tag during a mounting attempt.

41. (previously presented) The device of as per claim 35, further comprising a verticality sensor configured to activate the said detector.

42. (previously presented) The device of as per claim 35, further comprising a pressure sensor configured to sense pressure exerted on the back of said female animal, said pressure sensor configured to be placed under the belly of the detecting animal wearing the detector, to activate the said detector.

43. (previously presented) The device of as per claim 35, further comprising a temperature sensor, said temperature sensor configured to be placed under the belly of the detecting animal wearing the detector, to activate the said detector.

44. (previously presented) The device of as per claim 35, further comprising a motion sensor, movements of the detecting animal wearing the device being sensed to activate the said detector.

45. (previously presented) The device of as per claim 35, wherein said identifier comprises an image processing part for identification of the female animal.

46. (previously presented) The device of as per claim 35, wherein said detector is configured for determining time and date of each mounting of the female animal by the detecting animal.

47-49. (cancelled)

50. (currently amended) The device of as per claim 35, wherein,

    said electronic tag is an RFID tag retaining a unique identifier which identifies the female animal,

    said detector comprising an antenna configured for emitting the ~~magnetic~~ electromagnetic field toward the RFID tag for stimulating the RFID tag, a controller, a program memory, a communication interface (175), and a communication module, and

further comprising a mounting sensor configured to activate said detector.

51. (previously presented) The device of as per claim 50, wherein the mounting sensor is a pressure sensor configured for placing under the belly of the detecting animal.

52. (previously presented) The device of as per claim 50, wherein the mounting sensor is a verticality sensor.

53. (previously presented) The device of as per claim 50, wherein the mounting sensor is a motion sensor.

54. (previously presented) The device of as per claim 35, wherein said electronic tag comprises a support configured to be fixed at the ear of the female animal.

55. (currently amended) A device for automated detection of attempts to mate a first, female animal by a second, detecting animal, said device comprising:

an RFID electronic tag configured to be placed in or on an organ of the female animal;

an RFID detector configured for emitting ~~a magnetic an~~ electromagnetic field stimulating said electronic tag when said electronic tag is located in the organ of the female animal and

said detector is attached on the detecting animal, wherein upon being stimulated, said electronic tag emits an identification of said female animal in an identifying signal picked up by the detector, said detector comprising an identifier configured for identifying said passive electronic tag based on the identification within the identifying signal emitted by the electronic tag;

a mounting sensor arranged to activate said detector;  
and

a fastener configured for attaching said detector on the detecting animal.

56. (new) The device of claim 35, wherein said electronic tag comprises a ruminal bolus configured to be placed in a digestive tract of the female animal.

57. (new) The device of claim 56, wherein state ruminal bolus comprises a ceramic cylinder.